

IN THE CLAIMS

1. - 10 (Cancelled)

11. (Previously Presented) An ink residue calculating system comprising, in a system where the ink residue is calculated by obtaining ink discharge discharged from an ink container on the basis of the working time of an ink supply pump which sucks ink from the ink container and discharges the same and the ink discharge per unit working time of the ink supply pump or on the basis of the number of rotations of a drive motor of the ink supply pump and the ink discharge of the ink supply pump per unit rotation of the drive motor and cumulatively subtracting the ink discharge discharged from the ink container from the total ink volume accommodated in the ink container,

an ink kind obtaining means which obtains the kind of the ink, and

an ink residue calculating means which corrects the ink discharge per unit working time of the ink supply pump or the ink discharge of the ink supply pump per unit rotation of the drive motor on the basis of the kind of the ink obtained by the ink kind obtaining means, and calculates the ink residue on the basis of the corrected ink discharge.

12. (Previously Presented) An ink residue calculating system as defined in Claim 11 in which the kind of the ink represents the viscosity of the ink.

13. (Currently Amended) An ink residue calculating system comprising, in a system where the ink residue is calculated by obtaining ink discharge discharged from an ink container on the basis of the working time of an ink supply pump which sucks ink from the ink container and discharges the same and the ink discharge per unit working time of the ink supply pump and cumulatively subtracting the ink discharge discharged from the ink container from the total ink volume accommodated in the ink container,

a temperature detecting means which detects the working environmental temperature of the ink, and

an ink residue calculating means which corrects the ink discharge per unit working time of the ink supply pump on the basis of the working environmental temperature of the ink obtained by the temperature detecting means, and calculates the ink residue on the basis of the corrected ink discharge, discharge; and

an ink kind obtaining means which obtains the kind of the ink,

wherein the ink residue calculating means corrects the ink discharge per unit working time on the basis of the kind of the ink obtained by the ink kind obtaining means and the working environmental temperature, and calculates the ink residue on the basis of the corrected ink discharge.

14. (Cancelled)

15. (Currently Amended) An ink residue calculating system as defined in Claim 14-13 in which the kind of the ink represents the viscosity of the ink.

16. – 22. (Cancelled)

23. (New) An ink residue calculating system comprising, in a system where the ink residue is calculated by obtaining ink discharge discharged from an ink container on the basis of the working time of an ink supply pump which sucks ink from the ink container and discharges the same and the ink discharge per unit working time of the ink supply pump or on the basis of the number of rotations of a drive motor of the ink supply pump and the ink discharge of the ink supply pump per unit rotation of the drive motor and cumulatively subtracting the ink discharge discharged from the ink container from the total ink volume accommodated in the ink container,

an ink container which is provided with a storage means which stores kind data according to the kind of the ink,

an ink kind obtaining means which obtains the kind data, and

an ink residue calculating means which corrects the ink discharge per unit working time of the ink supply pump or the ink discharge of the ink supply pump per unit rotation of the drive motor on the basis of the kind data obtained by the ink kind obtaining means, and calculates the ink residue on the basis of the corrected ink discharge.

24. (New) An ink residue calculating system as defined in Claim 23 in which the kind of the ink represents the viscosity of the ink.

25. (New) An ink residue calculating system comprising, in a system where the ink residue is calculated by obtaining ink discharge discharged from an ink container on the basis of the working time of an ink supply pump which sucks ink from the ink container and discharges

the same and the ink discharge per unit working time of the ink supply pump or on the basis of the number of rotations of a drive motor of the ink supply pump and the ink discharge of the ink supply pump per unit rotation of the drive motor and cumulatively subtracting the ink discharge discharged from the ink container from the total ink volume accommodated in the ink container,

an ink container which is provided with a storage means which stores a parameter used in the correction based on the kind of the ink,

an ink kind obtaining means which obtains the parameter, and

an ink residue calculating means which corrects the ink discharge per unit working time of the ink supply pump or the ink discharge of the ink supply pump per unit rotation of the drive motor on the basis of the parameter obtained by the ink kind obtaining means, and calculates the ink residue on the basis of the corrected ink discharge.

26. (New) An ink residue calculating system as defined in Claim 25 in which the kind of the ink represents the viscosity of the ink.

27. (New) An ink residue calculating system comprising, in a system where the ink residue is calculated by obtaining ink discharge discharged from an ink container on the basis of the working time of an ink supply pump which sucks ink from the ink container and discharges the same and the ink discharge per unit working time of the ink supply pump and cumulatively subtracting the ink discharge discharged from the ink container from the total ink volume accommodated in the ink container,

a temperature detecting means which detects the working environmental temperature of the ink,

an ink container which is provided with a storage means which stores a parameter used in the correction based on the kind of the ink and the working environmental temperature of the ink,

an ink kind obtaining means which obtains the parameter, and

an ink residue calculating means which corrects the ink discharge per unit working time of the ink supply pump on the basis of the parameter, and calculates the ink residue on the basis of the corrected ink discharge.

28. (New) An ink residue calculating system as defined in claim 27 in which the kind of the ink represents the viscosity of the ink.